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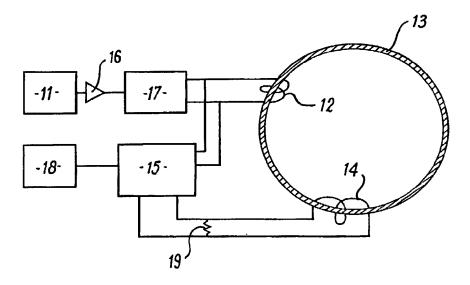
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- (71) Applicant (for all designated States except US): AD-VANCED ANALYSIS AND INTEGRATION LIM-ITED [GB/GB]; River Park Business Centre, River Park Road, Manchester M40 2XP (GB).
- (71) Applicant and
- (72) Inventor (for all designated States except US): CORRY, John [GB/GB]; Advanced Analysis and Integration Limited, River Park Business Centre, River Park Road, Manchester M40 2XP (GB).

- (74) Agent: McNEIGHT, David, Leslie; Brow Top Lees Lane, Wilmslow, Cheshire SK9 2LR (GB).
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(54) Title: LOOP RESISTANCE TESTER



(57) Abstract: There is disclosed a method and apparatus for measuring loop resistance by injecting into the loop through an inductive injection probe a sinusoidal drive signal at a given frequency, preferably of the order of 1 kHz, to produce a predetermined current in the loop, measuring, by a test probe also inductively coupled to the loop, the true RMS drive voltage signal and induced current, and calculating the loop resistance from the measured RMS values. Also disclosed is a method of providing a reference loop of accurately known resistance, and a multi-value reference loop facilitating accurate measurement of fractional loop resistance.

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